



UL 971 Update

Case Study

Policies

Steve Pollock, Virginia Department of Environmental Quality
EPA Region III, RCRA I Workshop, April 25, 2007

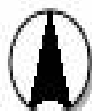
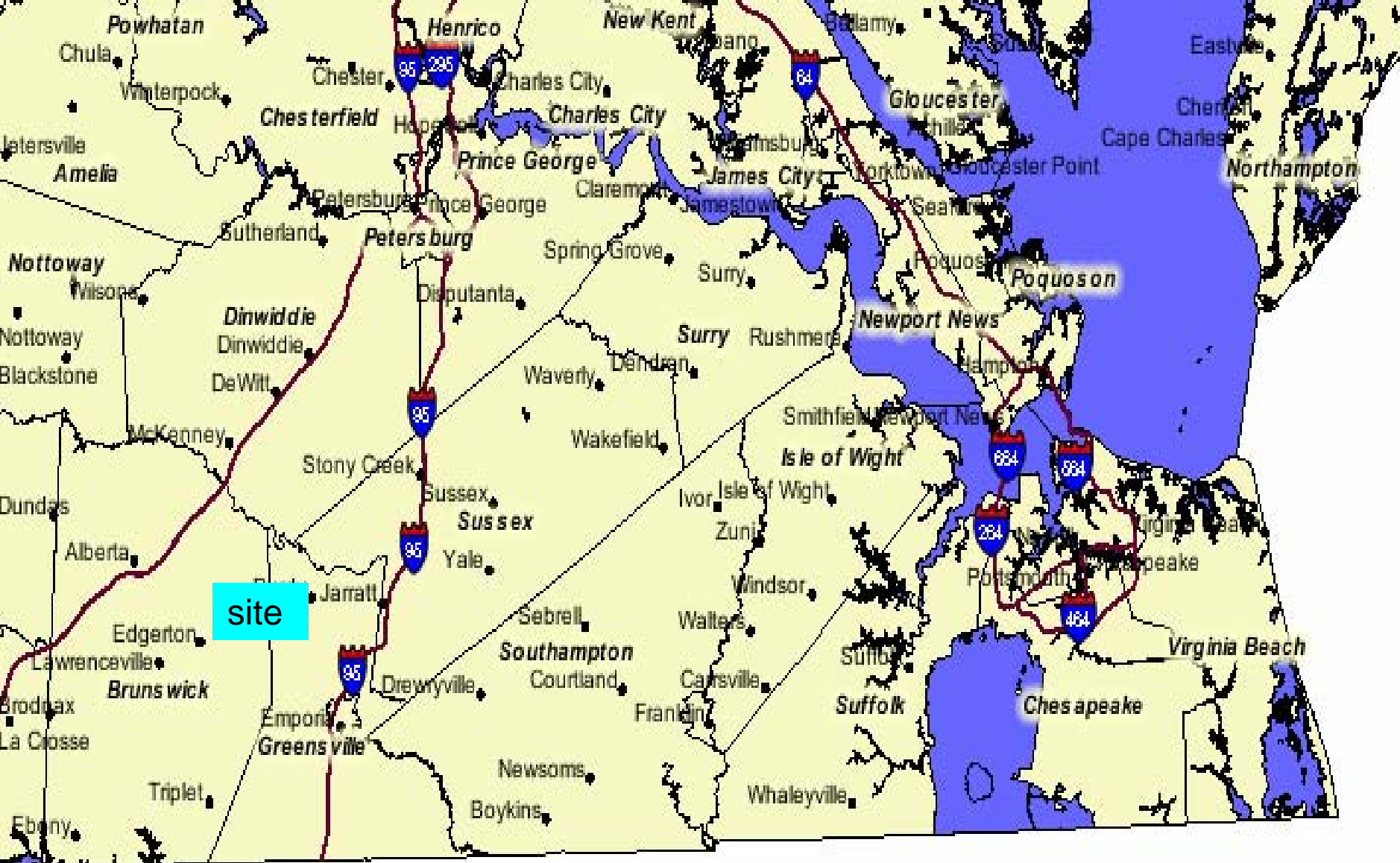
UL 971 Scope

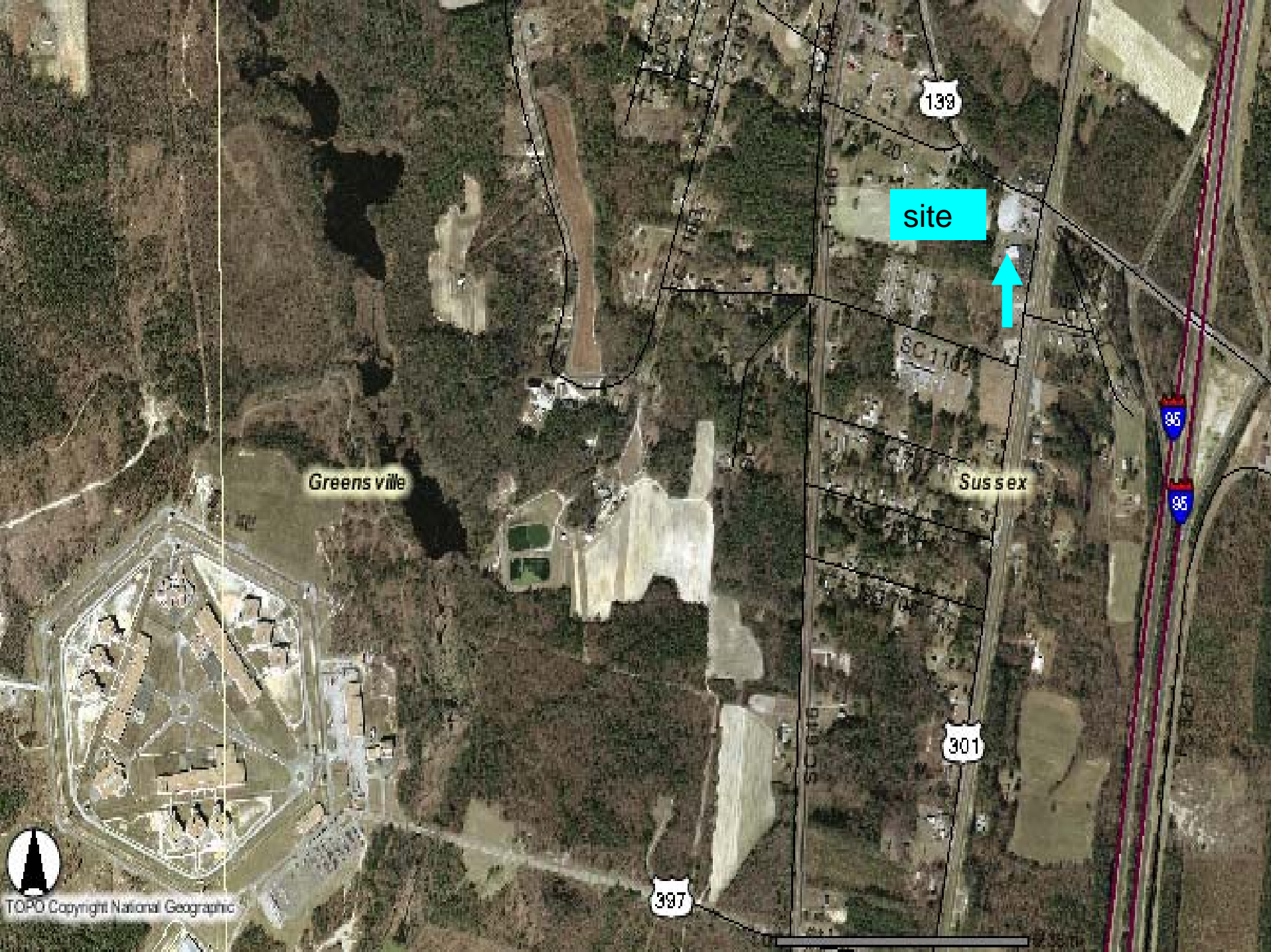
- Underground Non-Metallic Piping
- Primary Carrier
- Secondary Piping and Fittings
- Petroleum Based Flammables and Combustibles

UL 971 Changes

- UL revised in 2004
- Effective July 1, 2005
- Tests a completed piping system
- Tests communication of interstitial
- "Preconditions" pipe with real world treatment before testing
- Longer duration testing of permeability
2% max L & diam, 5% max weight







site

Greenville

Sussex





site

SC 631



slipin'

DELI
CHICKEN
LOTTO

HOT DOGS FRIED CHICKEN DELI 1/2 PEANUTS SUBS MILKSHAKES ICE CREAM

Benny's
FRIED
CHICKEN

Race-In
Gas Station
Convenience Store
1000 S. 10th St. - Tallahassee, FL 32309
(904) 224-1111

Race-In



Paycom





Other Piping



The fun begins



Out with the old



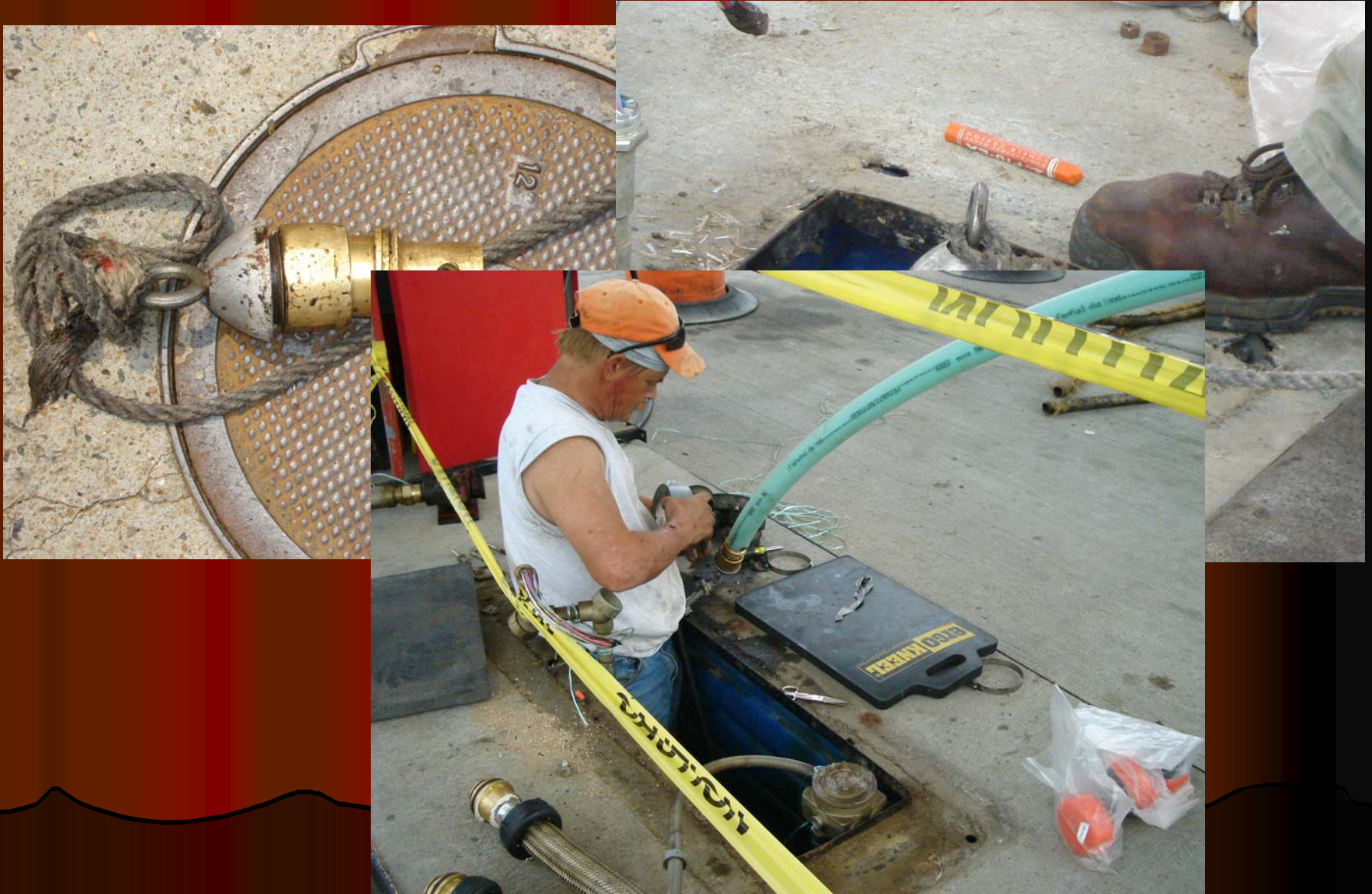
Lovely



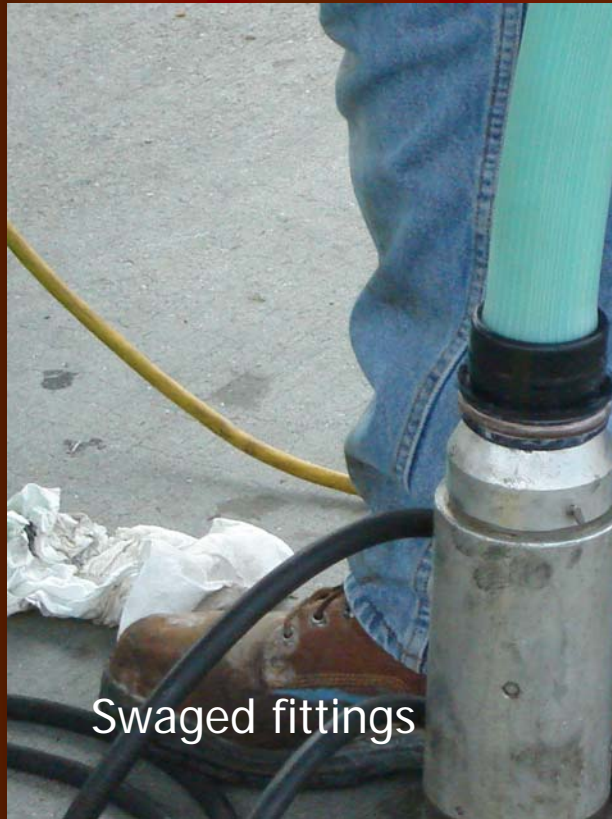
In with the Approved



In with the Approved, Not as Easy as it Sounds



In with the Approved, Fittings



Policy Corrections

- PEI Survey in 2005 - <http://www.pei.org/UL971/>
- Mostly vague answers from states
- No outright bans on pre UL 971/2005
- Generally, late '05 installations and on should use the "new" pipe

What is Approved?

- From PEI UL 971 Resource Page

<http://www.pei.org/UL971/>

examples:

Ameron

Franklin Fueling Systems

OPW Fueling Components

Petrofuse ZP Ltd

Smith Fibercast

Not a complete listing

Audience Participation

Who is Modifying their Policies?

- UL cross-reference "stuck" in the 80's
- Allow only new pipe henceforth
- Ban and Replace pre-2004/2005 pipe with new

